

ABSTRACT OF THE DISCLOSURE

Laser Scanning Microscope with a non-descanned detection and/or observation beam path, wherein a beam splitter is provided for the separation of the illumination and the detection beam paths. In the direction of the detection, at least one optical arrangement is provided for the regular transmission of the detected light, whereby between the beam splitter and the optical system, an additional optical arrangement is provided for reducing the diameter of the bundle of the beam to be imaged.